Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

No. ***First & Final Bill*** (For Other Works) Date……2018

Division: **BBMP, Byatarayanapura** Sub-Division: **BBMP, Byatarayanapura**

Bill Received No. Dated Divisional Cash Book Voucher No…….. Dated…….
Sub Divisional **Work Code: 005-18-000087**

Schedule Docket No. Head of Account: **P-3106** **Est.Cost: 10.00 Lakhs** D.R.No. :

Name of Work (as per sanctioned estimate): **Drilling of New Borewell and Installing Pump, Motor, Providing Pipeline and Construction of Rain Water Harvesting at Providing Cement Concrete Road etc at Kogilu, Indira Canteen in Ward No. 05.**

Name of Contractor and Full Address: ***Executive Engineer, Karnataka Rural Infrastructure Development Limited, # 280, 59th Cross Road, 17th 'C' Main Road 3rd 'Y; Block, Rajajinagara, Bangalore - 10.***

Reference to Agreement No. **BBMP/EE/BTP/KRIDL/WO/119/2018-19** **Date: 17.09.2018**

Certified that the measurements were taken by me on 29/10/18 and recorded of **Pages** 356329 to 356348 of measurement Book No. 3564/2017-18 and that the work is satisfactorily executed.

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Contractor **Officer-in-charge of work**

Certified that Sub-measurement were taken by me on ……29/10/2018……and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	
2)	Deduct amount to be held in reserve being ……percent Rs……	
3)	" Balance	
4)	Deduct Payment:	
	a. Amount of previous payment as in the Office Cash Book Voucher No……Dated……S.D. No……..… adjusted towards cash advance recovery of	Amount 9-99659-00
	b. Payments Now made { cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	IT - 19993-00 Cess - 9997-00 CBF - 1000-00 LR - 3999-00 FSD - 49983-00 CGST 9997-00 SGST 9997-00
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No…… dated……less adjustments.	
7)	Net amount due to or from Contractor unadjustments items.	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	
	Total amount adjusted	Adju. 104966-00 Cheque 894693-

Contractor's Signature

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Received Rs…….. (in words)……
……
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

(For use in the Office)

999659-
104966-
894693-0
Rs Eight lacks ninty four thousand six hundred ninty three only

Witness
1.
2.
Dated Signature of Contractor
Paid by me by Cheque No……Dated……
Cash Rs……..
Dated……

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Stamp

Initials of Officer making payment

Executive Engineer

Sl. No.		Unit
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its quality & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Each BW
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 0 to 50 m	Rmtr
	50 to 100 m	Rmtr
	100 to 150 m	Rmtr
	150 to 200 m	Rmtr
	200 to 250 m	Rmtr
	250 to 300 m	Rmtr
	300 to 350 m	Rmtr
3	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes) ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Rmtr
4	Providing 250mm dia PVC Pipe 6kg/cm etc., complete and as per the directions of the Engineer-in-charge of the work	Rmtr
5	Providing and fixing 160mm Borewell Cap etc., complete and as per the directions of the Engineer-in-charge of the work	Each
6	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 10.00 HP 20 stage.with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 12.50 HP 20 stage	No
7	Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 50mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour, charges HOM of equipments etc., complete and as per the directions of the Engineer-in-charge of the work	Rmtr
8	Heavy Duty Collar 50 mm dia	Nos
9	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr
10	Labour charges for erection as new /repaired submercible pumpset allong with GI pipe (32/50mm) cable (new submercible pumpset if required will be supplied by the department free of cost and released pumpset shoud be handed over to department including transportation (Each lenth =6.00) etc., complete and as per the directions of the Engineer-in-charge of the work	Per Length
11	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No.
12	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class.with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr
13	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000, with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr
14	Digging or trenching of 0.6 m x 0.5 m wide refilling the trench to the required ground level and consolidating etc., complete as per Civil SR KSRB 1-2 P-7 with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	1	2065.00	2065.00	1.00	2065.00	
-	-	50.00	315.18	15759.00	50.00	15759.00	
-	-	50.00	412.00	20600.00	50.00	20600.00	
-	-	50.00	458.35	22918.00	50.00	22918.00	
-	-	50.00	484.10	24205.00	50.00	24205.00	
-	-	50.00	560.32	28016.00	50.00	28016.00	
-	-	50.00	600.49	30025.00	50.00	30025.00	
-	-	30.00	622.00	18660.00	30.00	18660.00	
-	-	60.00	1325.00	79500.00	60.00	79500.00	
-	-	18.00	1100.00	19800.00	18.00	19800.00	
-	-	1	100.00	100.00	1.00	100.00	
-	-	1	65400.00	65400.00	1.00	65400.00	
-	-	300.00	457.92	137376.00	300.00	137376.00	
-	-	50	130.00	6500.00	50.00	6500.00	
-	-	580.00	188.70	109446.00	580.00	109446.00	
-	-	50	88.00	4400.00	50.00	4400.00	
-	-	1	302.00	302.00	1.00	302.00	
-	-	30.00	140.40	4212.00	30.00	4212.00	
-	-	30.00	10.80	324.00	30.00	324.00	
-	-	25.00	85.00	2125.00	25.00	2125.00	

Sl. No.		Unit
15	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr
16	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No.
17	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, (PWD Electrical SR-1999-2000, with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No
18	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc.,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No.
19	Providing and fixing in position **50mm** nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No
20	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete.with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No
21	SSupplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour etc., complete and as per the directions of the Engineer-in-charge of the work	No
22	Supplying shunt capaitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No
23	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materiasl wiring complete as requireds 5 to 30 amps triple pole with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No
24	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Sq.Cm
25	Supplying fully automatic store detta starter unit push button type with suitable wires three contractors one adjustable termal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts 3pase and wired offter fixing to the wooden board for motor **Above 15 HP upto 25 HP** etc., complete and as per the directions of the Engineer-in-charge of the work	No.
26	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods etc., complete and as per the directions of the Engineer-in-charge of the work	Cum
27	Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure 63mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing etc., complete and as per the directions of the Engineer-in-charge of the work	m
28	**Refilling available earth** around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour etc., complete and as per the directions of the Engineer-in-charge of the work	Cum
29	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods etc., complete and as per the directions of the Engineer-in-charge of the work	Cum
30	Laying Reinforced cement concrete pipe NP4 / prestressed concrete pipe for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets complete as per specifications. MORTH Specification No. 2900 B. **1200 mm** dia etc., complete and as per the directions of the Engineer-in-charge of the work	m
31	Providing and **Filling in foundation with granite / trap broken metal** 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. etc., complete and as per the directions of the Engineer-in-charge of the work	Cum

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	4.00	345.00	1380.00	4.00	1380.00	
-	-	1	280.00	280.00	1.00	280.00	
-	-	1	2727.00	2727.00	1.00	2727.00	
-	-	6	180.00	1080.00	6.00	1080.00	
-	-	1	1585.76	1586.00	1.00	1586.00	
-	-	1	227.90	228.00	1.00	228.00	
-	-	4	104.30	417.00	4.00	417.00	
-	-	1	1486.00	1486.00	1.00	1486.00	
-	-	1	415.00	415.00	1.00	415.00	
-	-	23400.00	0.33	7722.00	23400.00	7722.00	
-	-	1	8273.00	8273.00	1.00	8273.00	
-	-	67.50	200.34	13523.00	67.50	13523.00	
-	-	150.00	368.88	55332.00	150.00	55332.00	
-	-	67.50	76.00	5130.00	67.50	5130.00	
-	-	3.98	200.34	797.00	3.98	797.00	
-	-	3.00	11921.82	35765.00	3.00	35765.00	
-	-	0.47	2240.84	1053.00	0.47	1053.00	

Sl. No.		Unit
32	0734 - Supply and Providing Aggregate 53 mm nominal size etc., complete and as per the directions of the Engineer-in-charge of the work	um
33	0750 - Supply and Providing Aggregate 40 mm and below etc., complete and as per the directions of the Engineer-in-charge of the work	Cum
34	0749 - Supply and Providing Aggregate 20 mm and below etc., complete and as per the directions of the Engineer-in-charge of the work	Cum
35	0731 - Supply and Providing Sand etc., complete and as per the directions of the Engineer-in-charge of the work	Cum
36	Providing **precast slab of 100mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge - Data rate	Sqm
37	Constructing brick masonry inspection chamber **455x610mm, and 450mm depth**, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing etc., complete and as per the directions of the Engineer-in-charge of the work	Nos
38	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading etc., complete and as per the directions of the Engineer-in-charge of the work	Cum
39	Providing and fixing on wall surface 2.5 kg / sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, curing etc., complete and as per the directions of the Engineer-in-charge of the work	m
40	Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing etc., complete and as per the directions of the Engineer-in-charge of the work	Cum
41	Providing and laying **cement concrete** using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete **(RMC) M 20** for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, **for raft foundation column footing , main and secondary beams** with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) etc., complete and as per the directions of the Engineer-in-charge of the work	Cum
42	Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & Technical Specification etc., complete and as per the directions of the Engineer-in-charge of the work	m
43	**Vaccum de-watering** with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift etc., complete and as per the directions of the Engineer-in-charge of the work	Sqm
	Sub Total	
	11% KRIDL Charges	
	Total	

CERTIFICATE

1. Certified that the above work done satisfactory and no materials issued from departmentally.

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	0.71	720.00	511.00	0.71	511.00	
-	-	0.47	800.00	376.00	0.47	376.00	
-	-	0.47	1000.00	470.00	0.47	470.00	
-	-	0.47	1450.00	682.00	0.47	682.00	
-	-	35.33	1856.67	65596.00	35.33	65596.00	
-	-	1.00	7463.46	7463.00	1.00	7463.00	
-	-	3.98	112.44	448.00	3.98	448.00	
-	-	10.00	421.88	4219.00	10.00	4219.00	
-	-	9.00	5159.02	46431.00	9.00	46431.00	
-	-	6.00	6231.74	37390.00	6.00	37390.00	
-	-	16.00	147.34	2357.00	16.00	2357.00	
-	-	60.00	95.40	5724.00	60.00	5724.00	
				900594.00		**900594.00**	
				99065.34		**99065.34**	
				999659.34		**999659.34**	